

Serial Number: 10/080,7970150  
3385F Processing Date: 3-19-02  
Edited by: M. SPENCER  
Verified by: \_\_\_\_\_ (STIC staff)

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

Edited a format error in the Current Application Data section, specifically:

**ENTERED**

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_.

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  
 page numbers throughout text;  other invalid text, such as \_\_\_\_\_.

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/080,797

DATE: 03/19/2002  
TIME: 10:40:38

Input Set : A:\pto\_ms.txt  
Output Set: N:\CRF3\03192002\J080797.raw

4 <110> APPLICANT: Campochiaro, Peter A.  
 5 Dixon, Katharine H.  
 6 Brazzell, Romulus K.  
 8 <120> TITLE OF INVENTION: METHOD FOR TREATING OCULAR  
 9 NEOVASCULARIZATION  
 11 <130> FILE REFERENCE: 4-31881A  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/080,797  
 C--> 13 <141> CURRENT FILING DATE: 2002-02-21  
 13 <160> NUMBER OF SEQ ID NOS: 21  
 15 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 183  
 19 <212> TYPE: PRT  
 20 <213> ORGANISM: Human  
 22 <400> SEQUENCE: 1  
 23 His Ser His Arg Asp Phe Gln Pro Val Leu His Leu Val Ala Leu Asn  
 24 1 5 10 15  
 25 Ser Pro Leu Ser Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln  
 26 20 25 30  
 27 Cys Phe Gln Gln Ala Arg Ala Val Gly Leu Ala Gly Thr Phe Arg Ala  
 28 35 40 45  
 29 Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala  
 30 50 55 60  
 31 Asp Arg Ala Ala Val Pro Ile Val Asn Leu Lys Asp Glu Leu Leu Phe  
 32 65 70 75 80  
 33 Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Pro Leu Lys Pro  
 34 85 90 95  
 35 Gly Ala Arg Ile Phe Ser Phe Asp Gly Lys Asp Val Leu Arg His Pro  
 36 100 105 110  
 37 Thr Trp Pro Gln Lys Ser Val Trp His Gly Ser Asp Pro Asn Gly Arg  
 38 115 120 125  
 39 Arg Leu Thr Glu Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ser  
 40 130 135 140  
 41 Ala Thr Gly Gln Ala Ser Ser Leu Leu Gly Gly Arg Leu Leu Gly Gln  
 42 145 150 155 160  
 43 Ser Ala Ala Ser Cys His His Ala Tyr Ile Val Leu Cys Ile Glu Asn  
 44 165 170 175  
 45 Ser Phe Met Thr Ala Ser Lys  
 46 180  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 551  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Human

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Input Set : A:\pto\_ms.txt  
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53 <400> SEQUENCE: 2  
54 acagccaccc cgacttccag ccgggtgctcc acctgggtgc gctcaacacgc cccctgtcag 60  
55 gccgcattcgcg gggcatccgc ggggcccgaact tccagtgcctt ccagcaggcg cggggccgtgg 120  
56 ggctggcggg caccttccgc gccttcctgt cctcgcgcct gcaggacacgt tacagcatcg 180  
57 tgcgcgtgc cgaccgcgca gccgtgccccca tcgtcaacacgt caaggacgag ctgtgtttc 240  
58 ccagctggga ggctctgttc tcaggctctg agggtccgcgt gaagcccccggg gcacgcacatct 300  
59 tctccttga cggcaaggac gtcctgagggc accccacactg gccccagaag agcgtgtggc 360  
60 atggctcgga ccccaacccggg cgccaggctga ccgagagcta ctgtgagacg tggccggacgg 420  
61 aggctccctc ggccacccggc caggcctccct cgctgtggg gggcaggctc ctggggcaga 480  
62 gtgccgcgag ctgccccatcac gcctacatcg tgctctgcat tgagaacacgc ttcatgactg 540  
63 cctccaagta g 551  
65 <210> SEQ ID NO: 3  
66 <211> LENGTH: 207  
67 <212> TYPE: PRT  
68 <213> ORGANISM: Mouse  
70 <400> SEQUENCE: 3  
71 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro  
72 1 5 10 15  
73 Gly Ser Thr Gly Asp Ala Ala His Thr His Gln Asp Phe Gln Pro Val  
74 20 25 30  
75 Leu His Leu Val Ala Leu Asn Thr Pro Leu Ser Gly Gly Met Arg Gly  
76 35 40 45  
77 Ile Arg Gly Ala Asp Phe Gln Cys Phe Gln Gln Ala Arg Ala Val Gly  
78 50 55 60  
79 Leu Ser Gly Thr Phe Arg Ala Phe Leu Ser Ser Arg Leu Gln Asp Leu  
80 65 70 75 80  
81 Tyr Ser Ile Val Arg Arg Ala Asp Arg Gly Ser Val Pro Ile Val Asn  
82 85 90 95  
83 Leu Lys Asp Glu Val Leu Ser Pro Ser Trp Asp Ser Leu Phe Ser Gly  
84 100 105 110  
85 Ser Gln Gln Gln Leu Gln Pro Gly Ala Arg Ile Phe Ser Phe Asp Gly  
86 115 120 125  
87 Arg Asp Val Leu Arg His Pro Ala Trp Pro Gln Lys Ser Val Trp His  
88 130 135 140  
89 Gly Ser Asp Pro Ser Gly Arg Arg Leu Met Glu Ser Tyr Cys Glu Thr  
90 145 150 155 160  
91 Trp Arg Thr Glu Thr Thr Gly Ala Thr Gly Gln Ala Ser Ser Leu Leu  
92 165 170 175  
93 Ser Gly Arg Leu Leu Glu Gln Lys Ala Ala Ser Cys His Asn Ser Tyr  
94 180 185 190  
95 Ile Val Leu Cys Ile Glu Asn Ser Phe Met Thr Ser Phe Ser Lys  
96 195 200 205  
98 <210> SEQ ID NO: 4  
99 <211> LENGTH: 624  
100 <212> TYPE: DNA  
101 <213> ORGANISM: Mouse  
103 <400> SEQUENCE: 4  
104 atggagacag acacactccct gctatgggtta ctgtgtctt gggttccagg ttccactgggt 60  
105 gacgcggccc atactcatca ggactttcag ccagtgcctcc acctgggtggc actgaacacc 120

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106	ccccgtctg	gaggcatgcg	tggtatccgt	ggagcagatt	tccagtgc	ccagcaagcc	180
107	cgagccgtgg	ggctgtcg	gg	cacccccc	gcttccgt	cctctaggt	240
108	tatagcatcg	tgccgcgtc	tgaccgggg	tctgtcccc	tcgtcaacct	gaaggacgag	300
109	gtgctatctc	ccagctgg	ga	ctccctgtt	tctggctccc	agggtcaagt	360
110	gccccatct	tttctttga	cgccagagat	gtcctgagac	acccagcctg	gccgcagaag	420
111	agcgtatggc	acggctcgg	ccccagtgg	cgaggctga	tggagagtt	ctgtgagaca	480
112	tggcgaactg	aaactactgg	ggctacaggt	caggcctcct	ccctgctgtc	aggcaggctc	540
113	ctggAACAGA	aagctgcgag	ctgccacaaac	agctacatcg	tcctgtcat	tgagaatagc	600
114	ttcatgac	ctttctccaa	atag				624
116	<210>	SEQ ID NO:	5				
117	<211>	LENGTH:	8				
118	<212>	TYPE:	PRT				
119	<213>	ORGANISM:	Human				
121	<400>	SEQUENCE:	5				
122	Ala	Pro	Gln	Gln	Glu	Ala	
123	1				5		
125	<210>	SEQ ID NO:	6				
126	<211>	LENGTH:	38				
127	<212>	TYPE:	DNA				
128	<213>	ORGANISM:	Artificial Sequence				
130	<220>	FEATURE:					
131	<223>	OTHER INFORMATION:	PCR Primer				
133	<400>	SEQUENCE:	6				
134	actggtgacg	cgccccatac	tcatcaggac	tttcagcc			38
136	<210>	SEQ ID NO:	7				
137	<211>	LENGTH:	32				
138	<212>	TYPE:	DNA				
139	<213>	ORGANISM:	Artificial Sequence				
141	<220>	FEATURE:					
142	<223>	OTHER INFORMATION:	PCR Primer				
144	<400>	SEQUENCE:	7				
145	aagggtatc	gatctagctg	gcagaggcct	at			32
147	<210>	SEQ ID NO:	8				
148	<211>	LENGTH:	20				
149	<212>	TYPE:	DNA				
150	<213>	ORGANISM:	Artificial Sequence				
152	<220>	FEATURE:					
153	<223>	OTHER INFORMATION:	PCR Primer				
155	<400>	SEQUENCE:	8				
156	cactgcttac	tggcttatcg					20
158	<210>	SEQ ID NO:	9				
159	<211>	LENGTH:	29				
160	<212>	TYPE:	DNA				
161	<213>	ORGANISM:	Artificial Sequence				
163	<220>	FEATURE:					
164	<223>	OTHER INFORMATION:	PCR Primer				
166	<400>	SEQUENCE:	9				
167	ctgatgagta	tggccgcgt	caccagtgg				29
169	<210>	SEQ ID NO:	10				

RAW SEQUENCE LISTING  
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TIME: 10:40:38

Input Set : A:\pto\_ms.txt  
Output Set: N:\CRF3\03192002\J080797.raw

170 <211> LENGTH: 32  
171 <212> TYPE: DNA  
172 <213> ORGANISM: Artificial Sequence  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: PCR Primer  
177 <400> SEQUENCE: 10  
178 aaggggctatc gatctagctg gcagaggcct at 32  
180 <210> SEQ ID NO: 11  
181 <211> LENGTH: 35  
182 <212> TYPE: DNA  
183 <213> ORGANISM: Artificial Sequence  
185 <220> FEATURE:  
186 <223> OTHER INFORMATION: PCR Primer  
188 <400> SEQUENCE: 11  
189 gatctctaga ccaccatgca tactcatcag gactt 35  
191 <210> SEQ ID NO: 12  
192 <211> LENGTH: 30  
193 <212> TYPE: DNA  
194 <213> ORGANISM: Artificial Sequence  
196 <220> FEATURE:  
197 <223> OTHER INFORMATION: PCR Primer  
199 <400> SEQUENCE: 12  
200 actggagaaa gaggttttac tagctactag 30  
202 <210> SEQ ID NO: 13  
203 <211> LENGTH: 18  
204 <212> TYPE: PRT  
205 <213> ORGANISM: Adenovirus  
207 <400> SEQUENCE: 13  
208 Met Arg Tyr Met Ile Leu Gly Leu Leu Ala Leu Ala Ala Val Cys Ser  
209 1 5 10 15  
210 Ala Ala  
213 <210> SEQ ID NO: 14  
214 <211> LENGTH: 96  
215 <212> TYPE: DNA  
216 <213> ORGANISM: Artificial Sequence  
218 <220> FEATURE:  
219 <223> OTHER INFORMATION: PCR Primer  
221 <400> SEQUENCE: 14  
222 gatctctaga ccaccatgag gtacatgatt ttaggcttgc tcgccccttgc ggcagtctgc 60  
223 agcgcggccc atactcatac tcatcaggac tttcag 96  
225 <210> SEQ ID NO: 15  
226 <211> LENGTH: 29  
227 <212> TYPE: DNA  
228 <213> ORGANISM: Artificial Sequence  
230 <220> FEATURE:  
231 <223> OTHER INFORMATION: PCR Primer  
233 <400> SEQUENCE: 15  
234 atcgatcata ctcatcaggaa ctttcagcc 29  
236 <210> SEQ ID NO: 16

RAW SEQUENCE LISTING  
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Input Set : A:\pto\_ms.txt  
Output Set: N:\CRF3\03192002\J080797.raw

237 <211> LENGTH: 29	
238 <212> TYPE: DNA	
239 <213> ORGANISM: Artificial Sequence	
241 <220> FEATURE:	
242 <223> OTHER INFORMATION: PCR Primer	
244 <400> SEQUENCE: 16	
245 gcggccgcct atttggagaa agaggtcat	29
247 <210> SEQ ID NO: 17	
248 <211> LENGTH: 23	
249 <212> TYPE: DNA	
250 <213> ORGANISM: Artificial Sequence	
252 <220> FEATURE:	
253 <223> OTHER INFORMATION: PCR Primer	
255 <400> SEQUENCE: 17	
256 ttttttttc agtgtaaaag gtc	23
258 <210> SEQ ID NO: 18	
259 <211> LENGTH: 19	
260 <212> TYPE: DNA	
261 <213> ORGANISM: Artificial Sequence	
263 <220> FEATURE:	
264 <223> OTHER INFORMATION: PCR Primer	
266 <400> SEQUENCE: 18	
267 cagatgacat cctggccag	19
269 <210> SEQ ID NO: 19	
270 <211> LENGTH: 22	
271 <212> TYPE: DNA	
272 <213> ORGANISM: Artificial Sequence	
274 <220> FEATURE:	
275 <223> OTHER INFORMATION: PCR Primer	
277 <400> SEQUENCE: 19	
278 ctatacagga aagtatggca gc	22
280 <210> SEQ ID NO: 20	
281 <211> LENGTH: 118	
282 <212> TYPE: DNA	
283 <213> ORGANISM: Artificial Sequence	
285 <220> FEATURE:	
286 <223> OTHER INFORMATION: PCR Primer	
288 <400> SEQUENCE: 20	
289 gccaagcttc catgaggggcc tggatcttct ttctccttgc cctggccggg agggctctgg	60
290 cagccctca gcaagaagcg ctcgctcaca gccaccgcga cttccagccg gtgctcca	118
292 <210> SEQ ID NO: 21	
293 <211> LENGTH: 123	
294 <212> TYPE: DNA	
295 <213> ORGANISM: Artificial Sequence	
297 <220> FEATURE:	
298 <223> OTHER INFORMATION: PCR Primer	
300 <400> SEQUENCE: 21	
301 ccaggtggag caccggctgg aagtgcgggt ggctgtgagc gagcgcttct tgctgagggg	60
302 ctgccagagc cctccggcc aggcaaagga gaaagaagat ccaggccctc atggaagctt	120

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/080,797

DATE: 03/19/2002

TIME: 10:40:39

Input Set : A:\pto\_ms.txt

Output Set: N:\CRF3\03192002\J080797.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date